

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES BUREAU OF WATER QUALITY MANAGEMENT

AUTHORIZATION TO DISCHARGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

INDUSTRIAL PER	MIT NO. PA	0111848	
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	compliance with the provisions of the Clean Water Act, 33 U.S.C. Section 1251 e "Act") and Pennsylvania's Clean Streams Law, as amended, 35 P.S. Section 691	
•	Safety Light Corporation 4150-A Old Berwick Road	
	Bloomsburg, PA 17815	

is authorized to discharge from a facility located at South Centre Township

Columbia County

to receiving waters named

North Branch Susquehanna River in accordance with effluent limitations, monitoring requirements and other conditions set forth in Parts A, B, and C hereof.

This permit and the authorization to discharge shall expire at midnight, 8/31/93

The authority granted by this permit is subject to the following further qualifications:

- 1. If there is a conflict between the application, its supporting documents and/or amendments and the terms and conditions of this permit, the terms and conditions shall apply.
- 2. Failure to comply with the terms or conditions of this permit is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.
- 3. Application for renewal of this permit, or notification of intent to cease discharging by the expiration date, must be submitted to the Department at least 180 days prior to the above expiration date (unless permission has been granted by the Department for submission at a later date), using the appropriate NPDES permit application form. In the event that a timely and complete application for renewal has been submitted and the Department is unable, through no fault of the permittee, to reissue the permit before the above expiration date, the terms and conditions of this permit will be automatically continued and will remain fully effective and enforceable pending the grant or denial of the application for permit renewal.
- 4. This NPDES permit does not constitute authorization to construct or make modifications to wastewater treatment facilities necessary to meet the terms and conditions of this permit.

Regional Water Quality Manager

DATE Effective: February 1, 1990

TITLE

- I. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS, OUTFALL 001 | WHICH RECEIVES WASTE FROM:
- LAT 41⁰01'45" LONG 76⁰22'30"
- a. The permittee is authorized to discharge during the period from 2/1/90 through 8/31/93
- b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply:

			Discharge Limit		Monito	ring Requiremen		
Discharge .	Mass Units Average	(lbs/day) Max.	Average	Concentrations Max.	(mg/l): Instantaneous	Measurement	Sample	24-Hour Report Under
<u>Parameter</u>	Monthly	Daily	Monthly	<u>Daily</u>	<u>Maximum</u>	Frequency	Туре	A.3.C?
Flow (MGD)	Monitor	XXX	XXX	XXX	XXX	Daily	Measurement	No
Total Suspende Solids	XXX	XXX	xxx	60.0	ххх	1/Month	Grab	No
Oil & Grease	XXX	XXX	XXX	30.0	XXX	1/Month	Grab	No 🖜
рН	(See below	v)				Daily	Grab	PART No
Zinc	XXX	XXX	XXX	1.64	XXX	1/Month	Grab	No >
Chromium	XXX.	XXX	XXX ,	Monitor	xxx ·	1/Month	Grab	No
Total Toxic Organics**	XXX	XXX	XXX	3.4	XXX	1/3 Months	See pg. 14	No
	**Total To	oxic Organic	cs (TTO) - Rep etected at val	ort all organ ues greater t	nics listed under than 10 micrograms	TTO (see pg. 14 s per liter (ug/	A) by name and 1).	
Acetone	XXX	XXX	XXX	Monitor	ххх	1/3 mo.	comp. ***	No
	* Unless oth	erwise indi	icated these a	re gross disc	harge limitations	; .		Page PA
					to be "composited		tory.	0111848
nH Not loss th				0.0				of 1 1848

pH Not less than 6.0

Not less than 6.0 standard units nor greater than 9.0 standard units at all times.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Prior to dilution. All samples to be taken when discharging.

2. Definitions

- a. The term "Bypass" means the intentional diversion of wastes from any portion of a treatment facility.
- b. The term "severe property damage" means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.
- c. The "average monthly" mass discharge means the total discharge by weight during a calendar month divided by the number of days in the month that the production or commercial facility was operating. Where less than daily sampling is required by this permit, the average monthly mass discharge shall be determined by the summation of all the measured daily discharges by weight divided by the number of days during the calendar month when the measurements were made.
- d. The "maximum daily" mass discharge means the total discharge by weight during any calendar day.
- e. The "average monthly' concentration means the arithmetic average of all the daily determinations of concentration made during a calendar month.
- f. The "daily determination of concentration" means either the concentration of a composite sample taken during a calendar day or the arithmetic average of all grab samples taken during a calendar day.
- g. The "maximum daily" concentration means the daily determination of concentration for any calendar day.
- h. The "instantaneous maximum" concentration means the concentration not to be exceeded at any time in any grab sample.
- i. The term "Composite Sample" means a combination of individual samples obtained at regular intervals over a time period. Either the volume of each individual sample is proportional to discharge flow rates, or the sampling interval (for constant volume samples) is proportional to the flow rates over the time period used to produce the composite. The maximum time period between individual samples shall not exceed two hours, except that for wastes of a uniform nature the samples may be collected on a frequency of at least twice per working shift and shall be equally-spaced over a 24-hour period (or over the operating day if flows are of a shorter duration).
- j. The term "Grab Sample" means an individual sample collected in less than 15 minutes.

SELF-MONITORING, REPORTING, AND RECORDS KEEPING 3.

Representative Sampling a.

Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge.

Reporting of Monitoring Results ь.

(1) Monitoring results obtained during each month shall be summarized for that month and reported on a Discharge Monitoring Report (DMR) Form postmarked no later than the 15 th day of the following month. Duplicate signed copies of these and all other reports required herein, shall be submitted to the Department and the EPA Regional Office at the following addresses:

Operations Section Bureau of Water Quality Management Department of Environmental Resources Water Management Division 200 Pine Street

Williamsport, PA 17701 Phone: (717) 327-3670

Emergency: (717) 327-3696

Program Management Section (3WM52) Permits Enforcement Branch

U.S. Environmental Protection Agency

Region III

841 Chestnut Building Philadelphia, PA 19107

If the permittee monitors any pollutant, using analytical methods described in A.3.e. below, more frequently that the permit requires, the results of this monitoring shall be incorporated, as appropriate, into the calculations used to report self-monitoring data on the DMR.

C. Non-Compliance Reporting

- (1) 24-Hour Reporting - The permittee shall orally report to the Department within 24-hours of becoming aware of the following:
 - (a) Actual or anticipated non-compliance with any term or condition of this permit which may endanger health or the environment.
 - (b) Actual or anticipated non-compliance with any "maximum daily" discharge limitation which is identified in Part A.1 of this permit as being either:
 - (i) A toxic pollutant effluent standard established by EPA pursuant to Section 307(a) of the Clean Water Act,
 - (ii) For a toxic or hazardous polutant which, if not adequately treated, could constitute a threat to human health, welfare, or the environment, or

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- (b) Two hundred micrograms per liter for acrolein and acrylonitrile
- (c) Five hundred micrograms per liter for 2, 4-dinitrophenol and 2-methyl -4, 6-dinitrophenol
- (d) One milligram per liter for antimony
- (e) Five (5) times the maximum concentration value reported for that pollutant in the permit application
- (f) Any other notification level established by the Department
- (2) That it has begun, or expects to begin, to use or manufacture as an intermediate or final product or byproduct any toxic pollutant which was not reported in the permit application.

e. Test Procedures

Unless otherwise specified in this permit, the test procedures for the analysis of pollutants shall be those contained in 40 CFR Part 136, or alternate test procedures approved pursuant to that part.

f. Recording of Results

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall record the following information:

- (1) The exact place, date, and time of sampling or measurements;
- (2) The person(s) who performed the sampling or measurements;
- (3) The dates the analyses were performed;
- (4) The person(s) who performed the analyses;
- (5) The analytical techniques or methods used; and
- (6) The results of such analyses.

g. Records Retention

All records of monitoring activities and results (including all original strip chart recordings for continuous monitoring instrumentation and calibration and maintenance records), copies of all reports required by this permit, and records of all data used to complete the application for this permit shall be retained by the permittee for three (3) years. The three year period shall be extended as requested by the Department or the EPA Regional Administrator.

4. SCHEDULE OF COMPLIANCE

a. The permittee shall achieve compliance with the effluent limitations specified for discharges in accordance with the following schedule:

Immediately

b. Periodic Reports Required

No later than 14 calendar days following a date identified in the above schedule of compliance, the permittee shall submit to the Department a written notice of compliance or non-compliance with the specific schedule requirement. In the case of non-compliance, the notice shall include the cause of non-compliance, any remedial actions taken, the estimated date when compliance with the elapsed date shall occur, and the probability of meeting the next scheduled requirement.

MANAGEMENT REQUIREMENTS

a. Permit Modification, Termination, or Revocation and Reissuance

- (1) This permit may be modified, terminated, or revoked and reissued during its term for any of the causes specified in 25 Pa. Code, Chapter 92.
- (2) The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated non-compliance, does not stay any permit condition.

(3) Toxic Pollutants

Notwithstanding the above, if a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is established under Section 307(a) of the Act for a toxic pollutant which is present in the discharge, and such standard or prohibition is more stringent than any limitation for such pollutant in this permit, then this permit shall be modified or revoked and reissued by the Department to conform with the toxic effluent standard or prohibition and the permittee so notified.

In the absence of a Departmental action to modify or to revoke and reissue this permit, any toxic effluent standard or prohibition established under Section 307(a) of the Act is considered to be effective and enforceable against the permittee.

b. Duty to Provide Information

- (1) The permittee shall furnish to the Department, within a reasonable time, any information which the Department may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit.
- (2) The permittee shall furnish to the Department, upon request, copies of records required to be kept by this permit.
- (3) Other Information Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Department, it shall promptly submit such facts or information to the Department.
- (4) The permittee shall give advance notice to the Department of any planned physical alterations or additions to the permitted facility.

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f. Reduction, Loss, or Failure of the Treatment Facilities

Upon reduction, loss, or failure of the treatment facilities, in order to maintain compliance with its permit, the permittee shall control production and all discharges until either the facility is restored or an alternative method of treatment is provided. This requirement applies in the situation where, among other things, the primary source of power of the treatment facility is reduced, lost, or fails.

g. Removed Substances

Solids, sludges, filter backwash, or other pollutants removed in the course of treatment or control of wastewaters shall be disposed of in a manner such as to prevent any pollutant from such materials from adversely affecting the environment.

2. RESPONSIBILITIES

a. Right of Entry

Pursuant to Sections 5(b) and 305 of Pennsylvania's Clean Streams Law and 25 Pa. Code, Chapter 92, the permittee shall allow the head of the Department, the EPA Regional Administrator, and/or their authorized representatives, upon the presentation of credentials and other documents as may be required by law:

- (1) To enter upon the permittee's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this permit; and
- (2) At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit; to inspect any collection, treatment, pollution management, or discharge facilities required under the permit; and to sample any substances or parameters at any location.

b. Transfer of Ownership or Control

- (1) No permit may be transferred unless approved by the Department.
- (2) In the event of any pending change in control or ownership of facilities from which the authorized discharges emanate, the permittee shall notify the Department by letter of such pending change at least 30 days prior to the change in ownership or control.

f. Other Laws

Nothing herein contained shall be construed to be an intent on the part of the Department to approve any act made or to be made by the permittee inconsistent with the permittee's lawful powers or with existing laws of the Commonwealth regulating industrial wastes and the practice of professional engineering, nor shall this permit be construed to sanction any act otherwise forbidden by federal or state law or regulation, or by local ordinance. Nor does it pre-empt any duty to obtain state or local assent required by law for the discharge(s).

g. Severability

The provisions of this permit are severable, and if any provision of this permit, or the application of nay provision of this permit to any circumstances, is held invalid, the application of such provision to other circumtances, and the remainder of this permit, shall not be affected thereby.

PART C

OTHER REQUIREMENTS

ONE:

Monitoring for total toxic organics shall consist of one sample per three (3)

month period, beginning with the effective date of this permit.

TWO:

Sampling types and methods for total toxic organics are as follows:

Priority Pollutant Fraction

Sample Size

Analytical

and Type

Method (EPA No.)

Volatiles

1/2 gallon-comp.*

624

* For volatiles, at least 4 grab samples must be collected at periodic intervals over the discharge period. These samples are then "composited" in the laboratory and require only one analysis.

THREE:

Discharges containing radioactive materials to waters of the Commonwealth shall be monitored and controlled in a manner consistent with the U.S. NRC license application and license conditions (as amended) as required pursuant to Title 10 Code of Federal Regulations Part 20, Standards for Protection Against Radiation.

The term "TTO" shall mean total organics, which is the summation of all values greater than 10 micrograms per liter (ug/l) for the following toxic organics:

Acrolein Arcrylonitrile Benzene Carbon tetrachloride (tetrachloromethane) Chlorobenzene 1,2-dichloroethane 1.1.1-trichloroethane 1,1-dichloroethane 1,1,2-trichlorethane 1,1,2,2-tetrachlorethane Chloroethane 2-chloroethyl vinyl ether Chloroform (trichloromethane) 1.1-dichloroethylene 1,2-trans-dichloroethylene 1,2-dichloropropane Ethylbenzene Methylene chloride (dichloromethane) Methyl chloride (chloromethane) Methyl bromide (bromomethane) Bromoform (tribromomethane) Dichlorobromomethane Chlorodibromomethane Tetrachloroethylene Toluene -Trichloroethylene Vinyl chloride (chloroethylene) 1,2-Dichloropropylene

ADDITIONAL INSTRUCTIONS FOR UTILIZING THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM MONITORING REPORT (DMR)

The attached original of the NPDES Discharge Monitoring Report (T-40) has been provided to you as a master. The permit establishes specific effluent monitoring and reporting requirements and these values are repeated on the original discharge monitoring report provided for you. The "N/A" placed in the permit condition block of the Discharge Monitoring Report indicates one of two things: (1) that the parameter is monitored but no limitations are imposed, and the pertinent value must be reported, or (2) that the parameter is limited elsewhere on the discharge monitoring report, and the value should be reported if it is available.

Your reports are to be submitted by utilizing copies of the attached forms.

DO NOT WRITE ON OR SEND THE ATTACHED ORIGINALS, but rather (1) make copies of them (2) fill out the copies as appropriate (3) make the necessary copies of the completed (filled out) form and (4) submit these copies to the appropriate EPA and State Offices as provided in the permit.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different) NAME Safety Light Corporation	NATIONAL POLLUTANT DISCHARGE DISCHARGE MONITO (2-16)	EELIMINATION SYSTEM ES) RING REPORT (DMR) (17-19)
ADDRESS 4150-A Old Berwick Road	PA 0111848	001
Bloomsburg, PA 17815	PERMIT NUMBER	DISCHARGE NUMBER
	MONITO	RING PERIOD
FACILITY	YEAR MO DAY	YEAR MO DAY
LOCATION S Centre Township Columbia County	FROM	TO

Form Approved OMB No. 2040-0004 Approval expires 6-30-88*

PARAMETER		(3 Card Only) QUANTITY OR LOADING (46-53) (54-61)				(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)					NO.	FREQUENCY OF	SAMPLE TYPE
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIM	NUM	AVERAGE	MAXIMUM	U	NITS	62-63/	ANALYSIS (64-68)	(69-70)
	SAMPLE MEASUREMENT		XXX		xxx	ζ	ххх	xxx					
Flow	PERMIT REQUIREMENT	Monitor 30 Day Avg.	xxx	MGD	XXX		xxx	XXX	xx	ίχ	I	Daily	Meas.
Total Suspended	SAMPLE MEASUREMENT	XXX	XXX		xxx	ζ		xxx					
Solids	PERMIT REQUIREMENT	xxx	xxx	xxx	XXX	ζ.	60.0 Daily Max	XXX	mg	;/1 ·		l/mo	Grab
	SAMPLE MEASUREMENT	XXX	XXX				XXX						
рН	PERMIT REQUIREMENT	XXX	xxx	xxx	6.0 Min	-	XXX	9.0 Max.	ST UN	D IITS		Daily	Grab
	SAMPLE MEASUREMENT	xxx	xxx		XXX	ζ		XXX					
Oil & Grease	PERMIT REQUIREMENT	XXX	XXX	xxx	XXX	ζ	30.0 Daily Max.	xxx	mg	<u>/1</u>		l/mo	Grab
	SAMPLE MEASUREMENT	XXX	XXX		XXX	(xxx					
Zinc	PERMIT REQUIREMENT	XXX	XXX	xxx	XXX		1.64 Daily Max.	xxx	mg	2/1		l/mo.	Grab
	SAMPLE MEASUREMENT	XXX	XXX		XXX	(xxx					
Chromium	PERMIT REQUIREMENT	XXX	xxx	xxx	XXX	(Monitor Daily Max.	xxx	mg	g/1		1/mo -	Grab
	SAMPLE MEASUREMENT	xxx	xxx		XXX	ζ		xxx					
ТТО	PERMIT REQUIREMENT	xxx	xxx	\int_{XXX}	XXX	ζ	3.4 Daily Max.	xxx	me	2/1		1/3 mo.	See P
NAME/TITLE PRINCIPAL EXECUTIV	AND ON OBT	RTIFY UNDER PENALTY OF AM FAMILIAR WITH THE IMPLIANCE IN AIR INFORMATION OF ANTI-PENALTE AND CONTACT OF ANTI-PENALTE O	F LAW THAT I HAVE NFORMATION SUBMIT NDIVIDUALS IMMEDIA N. I BELIEVE THE S MPLETE I AM AWAR	PERSONALLY TTED HEREIN; A TTELY RESPON UBMITTED INF	EXAMINED IND BASED SIBLE FOR ORMATION E ARE SIG-					EPHONE		0.4	ATE
TYPED OR PRINTED		POSSIBILITY OF FINE AN .S.C. § 1319. (Penalties us r maximum imprisonment of b	nder these statutes may	include fines ut	1001 AND 10 \$10,000		ATURE OF PRINCIPAL FICER OR AUTHORIZ	1	AREA CODE	NUMBE	R	YEAR	MO DA

ermittee NAME/ADDRESS (Includedity Name/Location if different) AME Safety Light Cor Bloomsburg, PA	poration wick Road		PA 01	UTANT DISC ARGE MO (2-16) 11848 IT NUMBE		(NPDES) (17-17) 001 AARGE NUMBER					· .
ACILITY OCATION S. Centre Tow	nship, Columb	ia County	FROM YEAR		TORING PERIO	MO DAY	OTE: Read instru	ctions hefor	e com	naletina thi	s form.
PARAMETER (32-37)		(3 Card Only) QU (46-53) AVERAGE	ANTITY OR LOADIN (54-61)		(4 Card Only) (38-45) MINIMUM	QUALITY OR CONC (46-53)		UNITS	NO.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	SAMPLE MEASUREMENT	XXX	XXX		XXX		xxx		(62-63)	(64-68)	(69-70)
Acetone	PERMIT REQUIREMENT	XXX	xxx	xxx	XXX	Monitor Daily Max.	xxx	mg/1		1/3 Month	Comp.
·	SAMPLE MEASUREMENT									8 -	
	PERMIT REQUIREMENT SAMPLE				*Minimum of	4 grab samp	les				
	PERMIT REQUIREMENT				to be "com	posited" in	laboratory		1		
	SAMPLE MEASUREMENT										
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OMMENT AND EXPLANATION OF	ANY VIOLATIONS (R	eference all attachmen	is here)								

To:	Operations Chief Bureau of Water Quality Managem 200 Pine Street Williamsport, PA 17701-6510	nent
The	following noncompliance informat	tion is submitted pursuant to the reporting
requ	uirements specified in NPDES Perm	nitn No. PA issued to
	(Permittee)	<u> </u>
1.	Noncomplying discharge parameter	r or bypass
2.	Cause of the noncompliance	
3.	Period of noncompliance	
		and prevent recurrence of the noncomplyi
	•	(Department
-		, as specified in the NPDES 24-hour
_		ting requirements. The Department
repr	resentative required /waive	ed a five (5) day written submission
		Signature and Title of Principal Executive Officer or Authorized Agent
File	e Info: (For Department Use)	
Prog	gram:	•
MUNI	CIPALITY:	
Cour	nty:	

Date: _

SAFETY LIGHT CORPORATION

4150-A OLD BERWICK ROAD, BLOOMSBURG, PA 17815 717-784-4344 FAX 717-784-1402 **OGUNEL**

25 January 1989

JAN 2 7 1989

Bureau of Water Quality Management Dept. of Environmental Protection 200 Pine Street Williamsport, PA 17701 WQM ORT REGION

ATTN: Mr. L. Richard Adams, Chief-Permits and Grants

Dear Mr. Adams:

Please find enclosed completed documents constituting our application for NPDES permit.

Thank you for your assistance in this matter.

Yours very truly, SAFETY LIGHT CORPORATION

JTM: cwl

enclosures:

3 copies each:

Application for NPDES Permit Renewal

resident

Appendicies:

A. Topographic Map - Columbia County, PA

B. PPC Plan

C. SLC Drawing #4003-80

D. Polutant Group E - Radioactivity